# Keywords, Identifier, Literals, Operators and Expression Assignment

**Mandatory:**

1. Choose all valid identifiers
   1. int int
   2. int \_numvalue
   3. float price\_money
   4. char name1234567890123456789012345678901234567890
   5. char name value
   6. char $name
2. What is the meaning of the following keywords, show the usage
   1. auto
   2. extern
   3. volatile
   4. sizeof
   5. const
3. Explain the difference between the following variables.
   1. char \*ptr = “ABC”;
   2. char arr[]=”ABC”;

Can you manipulate the contents of ptr? Why?

Can you manipulate the contents of arr? Why?

Which one of the above is a string literal?

1. Predict the output of the following code .

void main()

{

//set a and b both equal to 5.

int a=5, b=5;

//Print them and decrementing each time.

//Use postfix mode for a and prefix mode for b.

printf("\n%d %d",a--,--b);

printf("\n%d %d",b++,--b);

}

1. Refer the code snippet. It fails with error. Fix it.

#include<stdio.h>

int main()

{

int i,k;

const int num;

/\* for(i = 0;i < 9;i++)

{

k = k + 1;

} \*/

num = num + k; /\* Compiler gives the error here \*/

printf("final value of k:%d\n",k);

printf("value of num:%d\n",num);

return 0;

}

6. Consider the following code snippet. Evaluate the value of f1, f2 and f3.

int main()

{

int i = 10;

int j = 3;

float f1 = i / j;

float f2 = (float ) i / j;

float f3 = (float ) (i / j);

}